

LAW OFFICES  
NIKOLAI &  
MERSEREAU, P.A.

INTERNATIONAL CENTRE  
900 SECOND AVENUE SOUTH, SUITE 820  
MINNEAPOLIS, MINNESOTA 55402-3813

TELEPHONE 612 339-7461  
FACSIMILE 612 349-6556

February 23, 2006

27 FEB 2006

Our Docket No. 20040873.ORI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re App : Adrian Hill et al  
S.N. : 10/511,415 : Art Unit unknown  
Filed : October 14, 2004  
For : METHODS OF TREATMENT AND DIAGNOSIS OF PATIENTS  
WITH HEPATITIS C INFECTION  
-----

TRANSMITTAL LETTER

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In reply to the Notification of Missing Requirements bearing a date mailed of December 28, 2005, submitted herewith please find a Letter, a copy of the Notification of Missing Requirements, a copy of the "Sequence Listing" in computer readable form (CRF), together with a copy in written form, and a copy of the Verification Summary Report.

The Commissioner is authorized to charge any additional fees listed in 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265.

Respectfully submitted,

NIKOLAI & MERSEREAU, P.A.



C. G. Mersereau  
Registration No. 26205  
Attorneys for Applicant(s)  
820 International Centre  
900 Second Avenue South  
Minneapolis, MN 55402  
(612) 339-7461



PATENT APPLICATION

Our Docket No. 20040873.ORI

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re App : Adrian Hill et al : February 23, 2006  
S.N. : 10/511,415 : Art Unit unknown  
Filed : October 14, 2004  
For : METHODS OF TREATMENT AND DIAGNOSIS OF PATIENTS  
WITH HEPATITIS C INFECTION  
-----

LETTER

Mail Stop Missing Parts  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Notification of Missing Requirements dated December 28, 2005 (copy attached), in the above-captioned application. That Notification indicated a shortened-statutory period for response of two months so that a reply is due by February 28, 2006.

It is noted that the Notification indicated that the Oath or Declaration of the inventors was not executed in accordance with 37 CFR 1.66 or 37 CFR 1.68. Applicants believe that a fully complying, executed Declaration was, in fact, submitted in response to an earlier Notification with a paper dated June 28, 2005. This was confirmed in a telephone conversation with Christine S. Washington in regard to the present Notification.

In addition, the Notification required the submission of a substitute "Sequence Listing" with an amendment specifically directing its entry into the application to correct certain errors in the previously submitted "Sequence Listing".

Accordingly, a substitute copy of the "Sequence Listing" in computer readable form (CRF), with a Verification Summary Sheet, together with a printout of the computer readable "Sequence Listing", is also submitted with this letter. It is believed that the content of the substitute computer readable form does comply with the requirements of 37 CFR 1.821, 1.822 and/or 1.823, as all indicated corrections have been made.

Accordingly, it is requested that the substitute "Sequence Listing" be entered into the specification.

The undersigned attorney hereby states that to the best of his present knowledge and belief, the information recorded in computer readable form is identical in content to the written "Sequence Listing" and includes no new matter.

It is believed that this constitutes a full response to the Notification of Missing Requirements and early examination and allowance of the claims is respectfully requested.

The Commissioner is authorized to charge any additional fees or refund any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265.

Respectfully submitted,

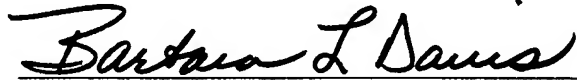
NIKOLAI & MERSEREAU, P.A.



C: G. Mersereau  
Registration No. 26,205  
Attorneys for Applicant(s)  
820 International Centre  
900 Second Avenue South  
Minneapolis, MN 55402  
(612) 339-7461

# CERTIFICATE OF MAILING

I hereby certify that the foregoing Letter in response to the Notification of Missing Requirements mailed December 28, 2005, a copy of the Notification of Missing Requirements, a copy of the "Sequence Listing" in computer readable form (CRF), together with a copy in written form, and a copy of the Verification Summary Report in application Serial No. 10/511,415, filed on October 14, 2004, of Adrian Hill et al, entitled "METHODS OF TREATMENT AND DIAGNOSIS OF PATIENTS WITH HEPATITIS C INFECTION", are being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, postage prepaid, on February 23, 2006.



Barbara L. Davis  
on behalf of C. G. Mersereau  
Attorney for Applicant

Date of Signature: February 23, 2006



PAGE: 1  
02/17/2006

VERIFICATION SUMMARY REPORT  
PATENT APPLICATION

DATE:  
TIME:

13:17:12

INPUT SEQ: C:\Documents and Settings\barbara  
\Desktop\20040873.ORI-2.txt

#### GENERAL INFORMATION SECTION

---

3,<110> Imperial College Innovations Limited  
5,<120> Methods  
7,<130> 20040873.ORI  
9,<140> US/10/511,415  
10,<141> 2004-10-14  
12,<150> PCT/GB03/01625  
13,<151> 2003-04-15  
15,<160> 30  
17,<170> PatentIn version 3.1

#### ERRORED LINES SECTION

---

#### STATISTICS SUMMARY

---

Application Serial Number: US/10/511,415  
Alpha or Numeric or Xml: Numeric  
Application Class:  
Application File Date: 2004-10-14  
Art Unit:  
Software Application: PatentIN3.1  
Total Number of Sequences: 30  
Total Nucleotides: 2746  
Total Amino Acids: 400  
Number of Errors: 0  
Number of Warnings: 0  
Number of Corrections: 0



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov



U.S. APPLICATION NUMBER NO. 10/511,415	FIRST NAMED APPLICANT Adrian Hill	ATTY. DOCKET NO. 20040873.ORI
INTERNATIONAL APPLICATION NO. PCT/GB03/01625		
I.A. FILING DATE 04/15/2003	PRIORITY DATE 04/19/2002	

C G Mersereau  
International Centre  
900 Second Avenue South  
Suite 820  
Minneapolis, MN 55402

12/28/2005 9:00 AM

CONFIRMATION NO. 3759

371 FORMALITIES LETTER



\*OC000000016129318\*

Date Mailed: 12/28/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 10/14/2004
- Copy of the International Search Report filed on 10/14/2004
- Copy of IPE Report filed on 10/14/2004
- Preliminary Amendments filed on 10/14/2004
- Information Disclosure Statements filed on 02/25/2005
- Biochemical Sequence Diskette filed on 10/14/2004
- Oath or Declaration filed on 10/14/2004
- Biochemical Sequence Listing filed on 10/14/2004
- Copy of references cited in ISR filed on 10/14/2004
- U.S. Basic National Fees filed on 10/14/2004
- Priority Documents filed on 10/14/2004

*Missing Req.  
Feb. 28, 2006  
JSD 1/10/06*

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application** OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the

*wpp  
jes  
OK*

sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHRISTINE S WASHINGTON

Telephone: (703) 308-9140 EXT 228

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO. . . . .	INTERNATIONAL APPLICATION NO. . . . .	ATTY. DOCKET NO.
10/511,415	PCT/GB03/01625	20040873.ORI

FORM PCT/DO/EO/905 (371 Formalities Notice)